Chapter 9 - Assignment 2	Name
1. What is common to all organic compounds?	Class Period
Describe the composition of the simplest organic comp	Date©1999 Sci-Ed Services
3. List three carbon containing compounds that are not co	onsidered organic compounds.
4. What percentage of all known compounds contain carbon?	
5. What type of bond do carbon atoms form with other ca	arbon atoms?
6. Describe a carbon "single bond".	
7. Describe a carbon "double bond".	
8. Describe a carbon "triple bond".	
9. Draw the electron dot diagram for two carbon atoms joined by a <u>single</u> bond.	
10. What is the name given to the group (series) of hydrocarbons that have single covalent bonds between carbon atoms?	
11. Draw the electron dot diagram for two carbon atoms joined by a <u>double</u> bond.	
12. What is the name given to the group (series) of hydrocarbons that have at least one double covalent bond between two carbon atoms?	
13. Draw the electron dot diagram for two carbon atoms joined by a <u>triple</u> bond.	
14. What is the name given to the group (series) of hydrocarbons that have at least one triple covalent bond between two carbon atoms?	

Please continue on the other side.

In structural formulas, between element symbo	what does a single dash (-)	
•	•	
<i>3. Fill in the missir</i> npound Name	ng information in the follo Molecular Formula	Structural Formula
npouria ivanie	C ₃ H ₈	Structural Formula
	CH₄	
	СП4	
butane		
	СП	
octane	C ₈ H _{??}	
ethyne (acetylene) . How can <i>organic acid</i>	formulas be recognized?	
ethyne (acetylene) . How can <i>organic acid</i>		Owing chart. Use? Found where? Other info?
ethyne (acetylene) How can <i>organic acid</i>	formulas be recognized? In a second of the following information in the following modern formula	
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